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BOOKS.

Plane and Solid Geometry.—Inductive Method. By A. A. Dodd, M. S. D., S. B., and B. F. Chace, Teachers of Mathematics in the Manual Training High School, Kansas City, Mo. 8vo. Cloth, 406 pages. Price, $1.00. Kansas City: Hudson-Kimberly Publishing Co.

This work presupposes, on the part of the student, a knowledge of Inventional or Constructional Geometry. The purpose of the work is good, and in the hands of a skillful and well trained teacher the results from the study of such a book would be very good; but in the hands of a teacher whose knowledge of geometry is somewhat deficient, its study would certainly be unsatisfactory. The authors have the right view of presenting the subject, and are to be congratulated in the courage they have manifested in presenting the work for public recognition. B. F. F.

A Brief History of Mathematics. An Authorized Translation of Dr. Karl Fink's Geschichte der Elementar-Mathematik. By Wooster Woodruff Beman, Professor of Mathematics in the University of Michigan, and David Eugene Smith, Principal of the State Normal School at Brockport, New York. 8vo, Red Cloth, 333 pages. Price $1.50. Chicago: The Open Court Publishing Co.

This work briefly states the facts of mathematical history. It is not a book of anecdotes, nor one of biography. The author systematically traces the development of the science of mathematics from the earliest times down to the present. Geometry is reviewed from the primitive ideas of the Babylonians to the projective and differential geometry and the science of n-dimensional space and trigonometry from the ideas of Ahmes to the refined notions of recent times. B. F. F.

Elements of Algebra. By Wooster Woodruff Beman, Professor of Mathematics in the University of Michigan, and David Eugene Smith, Principal of the State Normal School at Brockport, New York.

In this text-book, the authors have followed their usual plan of allowing the light of modern mathematics to shine in upon the old. "And this is the condemnation, that light has come into the world and men love darkness rather than light." An examination of this book will commend it to all good teachers of algebra. B. F. F.

Bestimmung der Coefficienten welche bei der Berechnung der Intergale

$$\int \frac{x^n dx}{\sqrt{1+ax+bx^2}} \text{ und } \int \frac{x^n dx}{\sqrt{1+ax^2+bx^3+cx^3}}$$

auftreten. Von Henry Benner. Pamphlet, 60 pages. Chicago: Ginn & Co.

This dissertation was offered by its author as a partial fulfillment of the requirements for the degree of Doctor of Philosophy at the University at Erlangen, Germany. B. F. F.